

Recovery Plan Action Status**Plan Name:** Recovery Plan for the Multi-Island Plants**Plan Status:** Final**Plan Date:** 10-Jul-99**Lead Agency:** USFWS**Lead Office:** Pacific Islands Fish And Wildlife Office(808)
792-9400)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
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Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaicensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	1	11	Identify and map all extant wild populations	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service	Research: Population Surveys	Contract	This is an ongoing action, as the status of the species and their threats change constantly. NOTE: The tasks in this plan only cover the 10 species in the addendum to the Multi-island plan.

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Kamakahala (Labordia triflora), Kamakahala (Labordia tinifolia var. lanaiensis), Haha (Cyanea glabra), Kopa (Hedyotis schlechtendahliana var. remyi), Haha (Cyanea copelandii ssp. haleakalaensis), Kohe malama malama o kanaloa (Kanaloa kahoolawensis), `Oha wai (Clermontia samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)	1	1411	Construct and maintain fencing, wherever possible	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Habitat Maintenance and Manipulation	Contract	Fencing is partially complete for East Molokai, East Maui, and West Maui Mountains watershed partnerships and Lanaihale. Fencing is complete for Haleakala National Park, Kamakou Preserve, Waikamoi Preserve, Pahole Natural Area Reserve.
Kamakahala (Labordia triflora), Kamakahala (Labordia tinifolia var. lanaiensis), Haha (Cyanea glabra), Kopa (Hedyotis schlechtendahliana var. remyi), Haha (Cyanea copelandii ssp. haleakalaensis), Kohe malama malama o kanaloa (Kanaloa kahoolawensis), `Oha wai (Clermontia samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)	1	1412	Evaluate the potential for eradication programs for control of ungulates or establishment of game preserves	Discontinued	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, Private landowners	Management: Habitat Maintenance and Manipulation	Contract	This task has been discontinued because the political climate in Hawaii at this time will not support island-wide eradication of nonnative ungulates, which are hunted for food.

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Haha (Cyanea glabra), Haha (Cyanea copelandii ssp. haleakalaensis), 'Oha wai (Clermontia samuelii), Haha (Cyanea hamatiflora ssp. hamatiflora)	1	148	Control insects, slugs, snails, and/or disease, if necessary	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service	Management: Predator and Competitor Control	Contract	Most invertebrates and diseases are only controllable at a small scale immediately surrounding the endangered species. Additional research is needed on the impacts of these invertebrates to the species, as well as efficient, broadscale methods of control

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Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaicensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	2	32	Map alien vegetation	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Habitat Status	Contract	This task is being conducted for some alien species by the various island based Invasive Species Committees and BRD's Hawaii Ecosystems at Risk, but a more concerted effort is needed.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	2	33	Study various aspects of growth	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Demographic Studies	Contract	The current knowledge has been gathered mainly from incidental observations during propagation, field surveys, and monitoring. More detailed experimental research is needed to fully understand this aspect of the species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	2	34	Study reproductive viability	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Genetics	Contract	The current knowledge has been gathered mainly from incidental observations during propagation, field surveys, and monitoring. More detailed experimental research is needed to fully understand this aspect of the species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	2	35	Determine parameters of viable populations	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, U.S. Geological Survey, Biological Resources Division	Other: Regulations	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										
Kamakahala (Labordia triflora), Kamakahala (Labordia tinifolia var. lanaiensis), Haha (Cyanea glabra), Kopa (Hedyotis schlechtendahliana var. remyi), Haha (Cyanea copelandii ssp. haleakalaensis), Kohe malama malama o kanaloa (Kanaloa kahoolawensis), Na' ena'e (Dubautia plantaginea ssp. humilis), 'Oha wai (Clermontia samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)	2	36	Determine effects of insects and/or diseases, and develop control methods, as needed	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Predation	Contract	
Kamakahala (Labordia triflora), Kamakahala (Labordia tinifolia var. lanaiensis), Haha (Cyanea glabra), Kopa (Hedyotis schlechtendahliana var. remyi), Haha (Cyanea copelandii ssp. haleakalaensis), Kohe malama malama o kanaloa (Kanaloa kahoolawensis), Na' ena'e (Dubautia plantaginea ssp. humilis), 'Oha wai (Clermontia samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)	2	37	Identify and test potential biocontrol agents for host specificity and efficacy of control	Ongoing Not Current	FY 1995 - FY 1999		Hawaii Department of Agriculture	Research: Management Techniques	Contract	Some testing has occurred for control of members of the Melastomataceae and for Christmas berry, but the biocontrol agents tested to date are not very effective.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus perakensis</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	2	38	Evaluate results and use in future management	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Research: Management Techniques	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus perakensis</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatifolius</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	3	4	Develop and implement long-term monitoring programs for all species	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Botanical Gardens, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service	Research: Population Surveys	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

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Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus periens</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaicensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	3	51	Investigate feasibility and desirability of reintroduction	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Management: Planning, Management: Reintroduction	Contract, Graduate Student, Internal Technical Assistance, Species Expert	This task is considered for any species with fewer than 50 individuals remaining in the wild. The Maui Nui GSN program will look for reintroduction sites to conduct small-scale management and reintroduction for such species on Molokai, Maui, and Lanai.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus perakensis</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	3	52	Develop and implement specific plans for reestablishment	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Geological Survey, Biological Resources Division, Private landowners	Management: Planning, Management: Reintroduction	Contract, Graduate Student, Internal Technical Assistance, Species Expert	This task has not been started for any of the 10 species in this recovery plan.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus perakensis</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	3	61	Determine number of populations and individuals needed for long-term survival	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Regulations	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										

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Kamakahala (<i>Labordia triflora</i>), No common name (<i>Schiedea hookeri</i>), No common name (<i>Phyllostegia parviflora</i>), No common name (<i>Neraudia sericea</i>), Pendant kihi fern (<i>Adenophorus perakensis</i>), Kamakahala (<i>Labordia tinifolia</i> var. <i>lanaensis</i>), No common name (<i>Mariscus pennatiformis</i>), No common name (<i>Bonamia menziesii</i>), No common name (<i>Platanthera holochila</i>), Haha (<i>Cyanea glabra</i>), No common name (<i>Spermolepis hawaiiensis</i>), Asplenium-leaved diellia (<i>Diellia erecta</i>), No common name (<i>Achyranthes mutica</i>), No common name (<i>Sanicula purpurea</i>), Kopa (<i>Hedyotis schlechtendahliana</i> var. <i>remyi</i>), Haha (<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>), Kohe malama malama o kanaloa (<i>Kanaloa kahoolawensis</i>), (=Native yellow hibiscus) ma`o hau hele (<i>Hibiscus brackenridgei</i>), No common name (<i>Vigna o-wahuensis</i>), Na`ena`e (<i>Dubautia plantaginea</i> ssp. <i>humilis</i>), No common name (<i>Schiedea nuttallii</i>), `Oha wai (<i>Clermontia</i>	3	62	Refine/review downlisting and delisting criteria	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Regulations	Contract	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
samuelii), Alani (Melicope munroi), Haha (Cyanea hamatiflora ssp. hamatiflora)										